INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/051726

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01N33/569

According to International Patent Classification (IPC) or to both national classification and IPC

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, Sequence Search, WPI Data, PAJ

C. DOCUME	ENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	
X	FOSTER B. AND PRUSSMAN C.: "Detection of Intracellular Cytokines by Flow Cytometry" 2002, JOHN WILEY & SONS, INC.: "CURRENT PROTOCOLS IN IMMUNOLOGY", NEW YORK 027902, XP002285462 page 6.24.1 - page 6.24.7	1-17
x	AMICOSANTE MASSIMO ET AL: "Computer-based design of an HLA-haplotype and HIV-clade independent cytotoxic T-lymphocyte (CTL) assay for monitoring HIV-specific immunity." MOLECULAR MEDICINE (BALTIMORE), vol. 8, no. 12, December 2002 (2002-12), pages 798-807, XP002285458 ISSN: 1076-1551 the whole document page 802, column 1; table 2	1-19,24, 27,28, 40,41, 58,61, 64,67,68

	mand to the continuation of box C.	Y Patent family members are listed in annex.
° Special ca "A" docum consi "E" earlier	ategories of cited documents: anent defining the general state of the art which is not idered to be of particular relevance of document but published on or after the international date in school of the country of th	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is considered to involve an inventive step when the document is combined with one or more other such skilled
"O" docui	ment referring to an oral discussion, each, six means ment published prior to the international filing date but than the priority date claimed	ments, such combination being obvious to a personnel in the art. "&" document member of the same patent family Date of mailing of the international search report
Date of th	ne actual completion of the International search	0 3. 05. 2005
	13 December 2004	Authorized officer
Name ar	nd mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Filjswlfk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Schalich, J
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	MAECKER H T ET AL: "Use of overlapping peptide mixtures as antigens for cytokine flow cytometry" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL,	1-19,27, 28,40, 41,58, 61,64, 67,68
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•	HIV-specific CD8+ T cell responses by intracellular cytokine production" IMMUNOLOGY LETTERS, vol. 79, no. 1-2, 1 November 2001 (2001-11-01), pages 117-125, XP002285459 ISSN: 0165-2478 the whole document	
X	GOULDER PHILIP J R ET AL: "Rapid definition of five novel HLA-A*3002-restricted human immunodeficiency virus-specific cytotoxic T-lymphocyte epitopes by Elispot and intracellular cytokine staining assays" JOURNAL OF VIROLOGY, vol. 75, no. 3, February 2001 (2001-02), pages 1339-1347, XP002285460 ISSN: 0022-538X the whole document	1-17
×	YU XU G ET AL: "Important contribution of p15 Gag-specific responses to the total Gag-specific CTL responses" AIDS (HAGERSTOWN), vol. 16, no. 3, 15 February 2002 (2002-02-15), pages 321-328, XP002285461 ISSN: 0269-9370 the whole document	1-17
×	WO 03/015702 A (GEN HOSPITAL CORP; ALTFELD MARCUS (US); WALKER BRUCE D (US)) 27 February 2003 (2003-02-27)	1-19,27, 28,40, 41,58, 61,64, 67,68
	page 5 page 9, paragraph 3 page 11 - page 13 page 9 sequence 6 figures 3-5	

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INTERNATIONAL SEARCH REPORT

International Application No
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	PCT/EP2004/051720		
(Continue	ntion) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.	
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X	DREXLER I ET AL: "Identification of vaccinia virus epitope-specific HLA-A*0201-restricted T cells and comparative analysis of smallpox vaccines" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 100, no. 1, come of OT) pages	19-21, 24-26, 44-46, 67,69	
	7 January 2003 (2003-01-07), pages 217-222, XP002232973 ISSN: 0027-8424 the whole document	19-21,	
X	TERAJIMA MASANORI ET AL: "Quantitation of CD8+ T cell responses to newly identified HLA-A*0201-restricted T cell epitopes conserved among vaccinia and variola (smallpox) viruses" JOURNAL OF EXPERIMENTAL MEDICINE, TOKYO,	24-26, 44-46, 67,69	
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	the whole document		

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

Inventions 1-20: claims 1-21,23-26, 44-46, 58, 67, 69 (in part)

Variola and derived peptides

Invention 21: Claims 1-21,23-26, 42-43, 46, 58, 67,69 (in part)

Bacillus Anthracis and derived peptides

Invention 22: Claims 1-21, 23-24, 26, 58, 65, 67,69 (in part)

Yersinia pestis and derived peptides

Invention 23: Claims 1-21, 23-24, 26, 58, 65, 67,69 (in part)

Francisella tularensis and derived peptides

Invention 24: Claims 1-21, 23-26, 31-41, 46, 58-59, 67-69 (in part)

SARS and derived peptides

Invention 25: Claims 1-21,23-26, 58, 67,69 (in part) human non-SARS Coronavirus

Inventions 26-45: Claims 1-19, 27-28, 40-41, 58, 61, 64, 67-68 (in part)

HIV and derived peptides

Invention 46: 1-19, 29-30, 40-41, 58, 62, 63, 67-68, 72-73 (in part)

CMV and derived peptides

Invention 47: Claims 1-19, 26, 47, 58, 60, 67 (in part)

enteric infections and derived peptides

Invention 48: Claims 1-19, 26, 48-58, 66-67, 70-71

Tumour antigens and derived peptides

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Invention 49: Claims 1-19, 26, 58-59 (in part)

respiratory infections, except SARS

Invention 50:Claims 1-19, 26, 58, 61 (in part)

sexually transmitted diseases, except HIV

Invention 51: Claims 1-19, 26, 58, 62, 72 (in part)

in utero infections, except post transplant infections and $\ensuremath{\mathsf{CMV}}$

Invention 52: Claims 1-19, 26, 58, 63, 73 (in part)

post transplant infections except CMV

Invention 53:Claims 1-19, 26, 58, 64 (in part)

blood-borne diseases, except sexually transmitted diseases and \mbox{HIV}

Invention 54: Claims 1-19, 22, 26, 58 (in part)

bacterial toxins

COS CODA

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Information on patent family members

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